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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/563,823	02/27/2006	Kurt Salzgeber	66376-372-7	5642	
25269 DYKEMA GO	7590 01/03/2008 SSETT PLIC	В	EXAMINER		
FRANKLIN SO	FRANKLIN SQUARE, THIRD FLOOR WEST			MCMAHON, MARGUERITE J	
1300 I STREE WASHINGTO	ET, NW ON, DC 20005		ART UNIT	PAPER NUMBER	
	•		3747		
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			01/03/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

			MR			
•	Application No.	Applicant(s)				
Office A - 4' October 199	10/563,823	SALZGEBER ET AL.				
Office Action Summary	Examiner	Art Unit				
	Marguerite J. McMahon	3747				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with th	e correspondence addres	ss			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATI 36(a). In no event, however, may a reply be rill apply and will expire SIX (6) MONTHS for cause the application to become ABANDO	ON. e timely filed om the mailing date of this community (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on	_•					
2a) This action is FINAL . 2b) ⊠ This	This action is FINAL . 2b)⊠ This action is non-final.					
3) ☐ Since this application is in condition for allowar	nce except for formal matters,	prosecution as to the me	erits is			
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11,	453 O.G. 213.				
Disposition of Claims						
4) Claim(s) 19-41 is/are pending in the application	1.					
4a) Of the above claim(s) 31-41 is/are withdraw	n from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>19,20 and 24-30</u> is/are rejected.						
7)⊠ Claim(s) <u>21-23</u> is/are objected to.						
8) Claim(s) are subject to restriction and/or	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) □ acce	epted or b)□ objected to by th	e Examiner.				
Applicant may not request that any objection to the	drawing(s) be held in abeyance.	See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct	•	-				
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Off	ice Action or form PTO-1	152.			
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign a)⊠ All b)□ Some * c)□ None of:	priority under 35 U.S.C. § 119	(a)-(d) or (f)				
1. Certified copies of the priority documents	s have been received.					
Certified copies of the priority documents	s have been received in Applic	ation No				
3. Copies of the certified copies of the prior	•	eived in this National Stag	ge			
application from the International Bureau	• • • • • • • • • • • • • • • • • • • •	5 d				
* See the attached detailed Office action for a list	of the certified copies not rece	ivea.				
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summ Paper No(s)/Mai					
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 3/16/06.		al Patent Application				

DETAILED ACTION

Election/Restrictions

Claims 31-41 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected Species, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on 9/18/07. In response to Applicant's assertion that the previous election requirement, the election requirement was inappropriate, the examiner acknowledges that Applicant is correct in that the unity of invention standard utilized for cases filed as a 371 should have been applied. Under that standard, Applicant is correct that claims 19-30 should be examined together as a single Species, Species I. However, under that standard, the restriction requirement between Species I of claims 19-30 and Species II of claims 31-41 is still appropriate, since the species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: Species I is directed to a piston with internal channels and a chamber and a cylinder wall with an opening to a chamber, such that blowby gas flows into the piston and then out the piston skirt to the opening in the cylinder wall; Species II is directed to two pistons arranged oscillating in opposite directions wherein in a region associated with one of the upper dead center positions of the pistons a substantially cylindrical fire ring is arranged in the cylinder.

The requirement is deemed proper and is therefore made FINAL.

Claim Objections

Claim 24 objected to because of the following informalities: Claim 24 depends from canceled claim 1. Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 27 and 28 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In line 2 of claim 27 "the first manifold" lacks antecedent basis, and should probably be changed to --the first flow path--. Similarly the use of the word "manifold" in claim 28 is unclear.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 19, 20, 24, and 26-30, as best understood, are rejected under 35 U.S.C. 102(b) as being Takashima by (5,067,453). Note an internal combustion engine with at least one piston in a cylinder, comprising a piston ring region with at least one piston ring 19, with the piston comprising a piston wall and at least one first cavity (near 16) for receiving gases passing at least one piston ring, with a piston ring region of the

piston being connected via at least one first flow path (near 60) with the first cavity, and with gases being removable from the first cavity via at least one second flow path, wherein the second flow path ends in an outlet opening in a region of the wall of the piston, with the outlet opening communicating in at least one piston position with an inlet opening in the cylinder wall, wherein the inlet opening leads to a collecting manifold 34 in the cylinder housing, wherein the first cavity if flow-connected via at least one connecting manifold with a second cavity formed by a gudgeon pin of hollow configuration (see claim 17 and Figure 3).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 25 is rejected under 35 U.S.C. 103(a) as being unpatentable over Takashima (5,067,453). Takashima shows everything except the gudgeon pin being sealed off on the face side by at least one cover. It would have been an obvious matter of design choice to seal off the piston pin, since this is conventional and to run the second path through another section of the piston, since it has been held that rearranging parts of an invention involves only routine skill in the art. *In re Japikse*, 86 USPQ 70.

Allowable Subject Matter

Claims 21-23 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Note with respect to claim 25 that the reference cited by Applicant (JP 2-215955) shows a piston pin plug17.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marguerite J. McMahon whose telephone number is 571-272-4848. The examiner can normally be reached on Monday-Wednesday and Friday, 10am-6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steve Cronin can be reached on 571-272-4536. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MW\
Marguerite McMahon
Primary Examiner
Art Unit 3747